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CVR460-96P01B
AC/DC mid range power supply (MPS)

460 Watt, five output : +3.3/+5/+12/-12/+5VSB



- **Universal input voltage range**
- **Power factor correction**
- **Server Systems Infrastructure (SSI) compatible**
- **UL and TÜV safety agency approvals**
- **AC line fusing**
- **Remote sensing**
- **Short circuit protection**
- **Overtemperature protection**
- **Overvoltage protection**
- **Hot-swappable operation**
- **FCC and CISPR Class B conducted and radiated noise compliant**

[2 YEAR WARRANTY]

CE (LVD)

SPECIFICATION

All specifications are typical at nominal input, full load at 25°C unless otherwise stated

The CVR460 power module is a single phase AC to DC power supply for applications in mid-range server computer systems, and meets the specifications for the Wintel Server Systems Infrastructure. The CVR460 power modules are designed for hot-swap operation and can be mounted within 19 inch rack-mount systems. The power modules can be used to implement N+1 redundant power system, and provide source power for localized DC/DC converters.

Control signals and indicators:

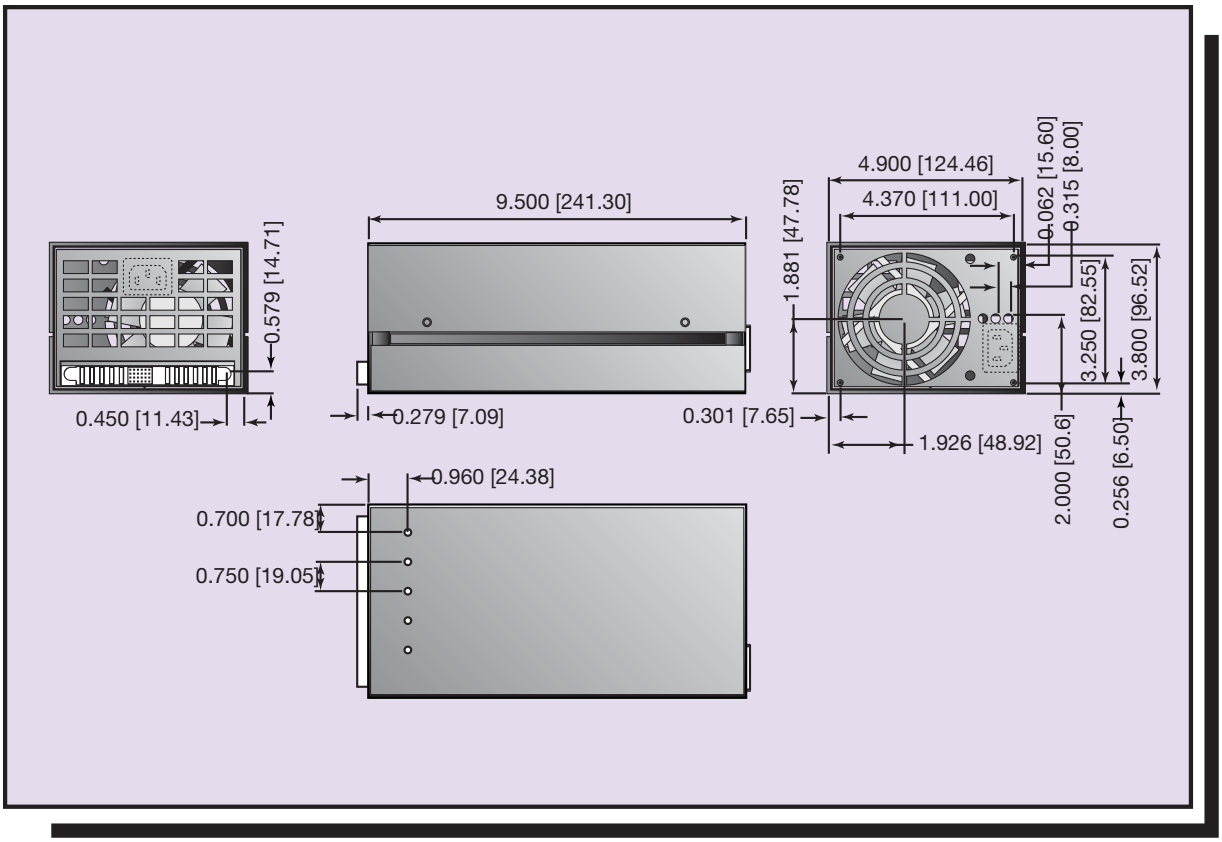
- PSON (power supply enable)
- +12LS (12V output load share bus)
- +5LS (5V output load share bus)
- +3.3LS (3.3V output load share bus)
- +12VS (12V remote sense)
- +5VS (5V remote sense)
- +3.3VS (3.3V remote sense)
- ReturnS (remote sense return)
- PSKILL (short pin for hot-swapping
- ACOK (AC input status)
- PWOK (DC output power good status)
- PRFL (power supply failure warning)
- FAIL (power supply failure indicator)
- FANC (ATX standard fan control signal)
- FRU signals (EEPROM data repository)
- AC PWR LED
- PFAIL LED
- FAIL LED

SPECIFICATIONS		
Input voltage range	Low range	90 to 264VAC
Input frequency range		50/60Hz
Power factor		0.98
Hold-up time		20ms
Output ratings	+3.3V +5V +12V -12V +5VSB	40A 34A 25A 1.0A 2.0A
Output regulation	+3.3V +5V +12V -12V +5VSB	±1.5% ±2.0% ±2.0% +9.0/-5.0% +4.0/-3.0%
Ripple and noise	+3.3V +5V/+12V/-12V/+5VSB	1.5% pk-pk 1.0% pk-pk
Current share	+3.3V +5V +12V	10%
Efficiency		68%
Thermal performance	Operating ambient	0°C to +50°C

SIGNAL PINS						
	1	2	3	4	5	6
D	12LS	PWOK	ACOK	ACRANGE	RETURNS	-12V
C	A0	SCL	FAIL	PRFL	12VS	3.3VSB (1)
B	A1	SDA	3.3VS	5VS	RESERVED	+5VSB
A	3.3LS	Present	FANC	5LS	PSON	PSKILL

(1) The 3.3VSB output is an optional output

POWER BLADES										
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11
RESERVED	+12V	GND	GND	GND	GND	GND	+5V	+5V	+3.3V	+3.3V



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